



SCHOFIELD BARRACKS Hawaii

Energy Resilience and Security Project

The U.S. Army Office of Energy Initiatives (OEI) and U.S. Army Garrison-Hawaii (USAG-HI) in collaboration with the Hawaiian Electric Company, have developed a 50-megawatt (MW) multi-fuel power generation plant at Schofield Barracks. The Schofield Generating Station enhances the resilience of the Oahu electrical grid, and is capable of providing Schofield Barracks, Field Station Kunia, and Wheeler Army Air Field with secure, firm, dispatchable, and flexible energy generation during emergencies.

Project Details

- The Schofield Generating Station serves the Oahu grid on a daily basis and will also provide the Army first right to 100 percent of the electrical power needs for Schofield Barracks, Field Station Kunia and Wheeler Army Air Field in an emergency.
- As the only baseload power generation plant on Oahu at elevation, it is immune to coastal effects such as storm surge and tsunami. Its “black start” capability enhances grid resilience to benefit the Army and the community.
- The Hawaiian Electric Company developed, financed, and constructed the Schofield Generating Station. They own, operate, and maintain the plant, which runs on a mixture of biofuel and conventional fuel.
- The plant has access to thirty days of fuel storage on the island, including five days of supply onsite.
- The project includes a 35-year lease for approximately eight acres of land on Schofield Barracks to Hawaiian Electric Company with a 10-year renewal option.
- The Hawaii Public Utility Commission approved the project.

About Schofield Barracks and U.S. Army Garrison-Hawaii

USAG-HI traces its history to the District of Hawaii, a command formed in 1910 as a sub-element of the Department of California. In 1911, the Hawaiian Department replaced the District, reporting directly to the War Department in Washington. Initially headquartered in the Alexander Young Hotel, the Department moved to its permanent home at Fort Shafter in 1921.

After being renamed multiple times prior to and after World War II, the U.S. Army Support Command-Hawaii was re-designated as USAG-HI on January 6, 1994. Today, as part of the Army’s Installation Management Command, USAG-HI is responsible for day-to-day operations at the 22 Army installations and sub-installations on the islands of Oahu and Hawaii.

Schofield Barracks is one of the installations that makes up USAG-HI. Home to the 25th Infantry Division, Schofield Barracks is nestled at the foot of the Waianae Mountain Range on the island of Oahu, in Hawaii. Schofield Barracks was established in 1908 to provide a base for the Army’s mobile defense of Pearl Harbor and the entire island. For more information on Schofield Barracks and USAG-HI visit: www.garrison.hawaii.army.mil.



Army Energy Resilience and Security Project at Schofield Barracks, Hawaii - 900 Feet Above Sea Level



Hawaiian
Electric

Schofield Barracks, Hawaii

About OEI

Secure and reliable access to energy is essential for Army readiness. The Office of Energy Initiatives (OEI) —under the Assistant Secretary of the Army for Installations, Energy and Environment—serves as the Army's central management office for the development, implementation, and oversight of all privately financed, large-scale, energy projects focused on achieving resilience on Army Installations. The OEI collaborates with industry, public utilities, and other stakeholders to implement projects that include energy generation, energy storage, and energy control capabilities. These “islandable” capabilities can support critical operations in the event of a grid outage. For more information about OEI visit: www.oei.army.mil.

About Hawaiian Electric Company

For more than 100 years, Hawaiian Electric Company has provided the energy that has fueled the islands' development from a Hawaiian Kingdom to a modern state. Hawaiian Electric Company and its subsidiaries provide electricity and services to 95 percent of the state's 1.4 million residents. They are committed to meeting the energy needs of Hawaii's people in a reliable, economical and environmentally sound way. For more information visit: <http://www.hawaiianelectric.com>.



Schofield Barracks, Hawaii 50-MW Multi-Fuel / Biofuel Generation Plant
Photos Courtesy of Hawaiian Electric Company

